

Automated Remote Messaging

ARM-911

RM-911D

RM-911W



AUTOMATED REMOTE MESSAGING



Desktop Type



Wall-Mount Type

The ARM-911 responds to public address requirements and Voice Alarm Messaging for small to medium installations. The ARM-911 is a high performance highly versatile stand-alone automated remote messaging controller. This unit is an ideal add on to any existing or new installation PA system and useful to easily initiate code blue paging or lockdown procedures.

Up to 4 remote microphones can be connected to the ARM-911. The microphone can be used for live instant voice messaging. 10 buttons on the microphone station are used to activate any messages. A telephone paging input allows the ARM-911 to be connected to the paging port of a PBX for live telephone paging and message triggering.

Each input is fitted with volume controls, High pass filter, equalizers and user programmable input priority settings. 2 auxiliary inputs allow connection to a cordless microphone, background music source or receiving audio from other emergency messaging devices such as fire alarm panels. Ten contact closure or alarm inputs make it possible to obtain external trigger and broadcast pre-programmed message from any remote devices.

A built in programmable timer allows for scheduled playback of any of the 10 recorded message and other web-browser control panel up-loadable files. The ARM-911 can also be used for both electronic School bell and automated message playing.

ARM-911 Automated Remote Messaging



The ARM-911 is a DSP based audio digital signal processing audio mixer and a digital message player. Up to 4 remote paging stations can be connected to the ARM-911. The ARM-911 can accept independent audio inputs from a telephone paging port, and two (mic/line) auxiliary or BGM input sources. The output is balance audio on a 3 position eurobloc connector. The audio output is variable and features a pad selector with level from -50dB, -10dB and +4dB making interfacing to any type of audio inputs on mixers and amplifiers.

Each input is fitted with volume controls and equalizers. All audio inputs features VOX activation and priority override according to user programmable settings (ideal when using a cordless microphone, or receiving audio from other emergency messaging devices such as fire alarm panels) Ten monitored contact closure or alarm inputs making it possible to obtain trigger and broadcast pre-programmed message from any remote devices.

A built in programmable timer allows for scheduled playback of any of the 10 recorded message and other web-browser control panel up-loadable files. The ARM-911 can also be used for either electronic School bell or automated message playing.

Remote Microphone Station

Up to 4 remote microphones can be connected to the ARM-911. The microphone can be used for live instant voice messaging. 10 buttons on the Microphone station are used to activate any messages. A 4 digit security code can be programmed preventing unauthorized use of the paging station.



Desktop Type

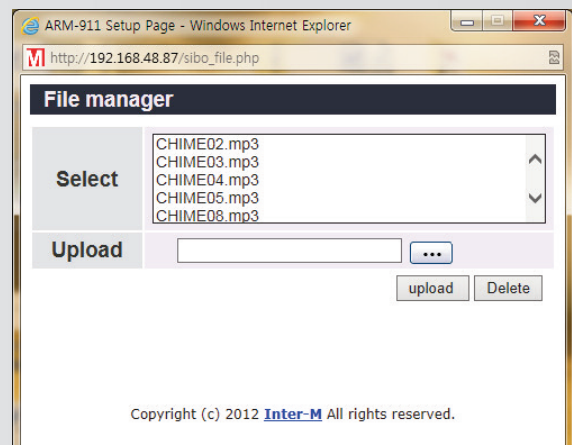


Wall-Mount Type

Web Browser Configuration

Up to 4 remote microphones can be connected to the ARM-911. The microphone can be used for live instant voice messaging. 10 buttons on the Microphone station are used to activate any messages. A 4 digit security code can be programmed preventing unauthorized use of the paging station. The ARM-911 is set-up, configured and managed using a simple to use web-browser interface.

- Network Configuration Setup
- Source Priority setup
- Source level, HPF and EQ adjust
- Output Level Adjust
- Schedule timer programmable
- Remote Microphone Configuration



Telephone Paging

A telephone paging input allows the ARM-911 to be connected to the paging port of a PBX. This allows the use of any authorised telephone to connect to the ARM-911 to make direct live voice announcements. A DTMF decoder can trigger any of the 10 messages, activated using the dial pad of the phone.



Feature	DTMF Code	Action
1	* + 00 + #	Voice page
2	* + 01 + #	Playback Message 1
3	* + 02 + #	Playback Message 2
4	* + 03 + #	Playback Message 3
5	* + 04 + #	Playback Message 4
6	* + 05 + #	Playback Message 5
7	* + 06 + #	Playback Message 6
8	* + 07 + #	Playback Message 7
9	* + 08 + #	Playback Message 8
10	* + 09 + #	Playback Message 9
11	* + 10 + #	Playback Message 10
12	* + 99 + #	Cancel Message

FEATURES

- High fidelity scalable audio for excellent speech intelligibility.(MP3,WAV & WMA)
- Balanced audio output (variable output with -50dB/600Ω mic level, -10 line and +4dB selector)
- SD Memory Playback (2GB)
- Redundant Flash memory, no battery backup required
- Non-Volatile SD Card memory (2GB)
- Multi-message(4) sequencing capability
- Timer scheduled playback (can be used for electronic School bell or automated message playing)
- Crystal clear 24 bit audio quality
- Over 20 Minutes of audio storage capacity
- Up to 20kHz bandwidth
- 10 message front panel start selections and status
- Optically coupled 10 Contact Closure and RS232 for control and status
- Fault input monitoring and alarm via 5V, reverse DC voltage with a line matching resistor at the EOL.
- Fault output monitoring.
- Message playback output monitoring
- Web-browser Configuration
- Source Priority setup via web-browser
- Source level, HPF and EQ adjust via web-browser
- Output Level Adjust via web-browser
- Up to 4 Remote paging mics
- Telephone paging trunk input
- Internal program scheduler
- Scheduled playback of any of the 10 recorded messages and other via web-browser up-loadable files.
- 24VDC Back up
- Industrial grade all metal construction, shock and vibration resistant
- Rack mount (1U)

RM-911D Desktop Remote Paging Microphone Station



The RM-911D is a remote microphone station featuring a ten-key keypad for message playback selection. Key selection allows activation of pre-recorded message. The unit features a unidirectional dynamic microphone with a 14" gooseneck extension. An audio signal level meter is provided for displaying the signal levels at the input or output. The unit displays the ready / busy state status via a LED display. The RM-911D is designed for use with the ARM-911 Automated Remote Messaging controller. It can be remote powered from the ARM-911 for a distance up to 300 meters. It requires to be locally powered by an optional 24VDC when installed distance above 300 meters. Talk button can be push to talk or latch on / latch off depending on dip switch setting. A pre-announce and post announce chime is also available with a built-in 1 watt monitor speaker.

Features

- Easy cat5e wiring (power, audio, communications)
- Broadcast Microphone primary supply
- Microphone Level LED output
- Selectable pre announce chime
- Status display
- 10 message start selections and status
- External Power available (24VDC Adapter)

RM-911W Surface Wall-mountable Remote Paging Microphone Station

The RM-911W is a surface wall-mounted remote microphone station featuring a ten-key keypad for message playback selection. Key selection allows activation of pre-recorded message. The unit features a unidirectional dynamic tear-drop, push-to-talk hand held microphone with a retractable coil type cable extension. An audio signal level meter is provided for displaying the signal levels at the input or output. The unit displays the ready / busy state status via a LED display. The RM-911W is designed for use with the ARM-911 Automated Remote Messaging controller. It can be remote powered from the ARM-911 for a distance up to 300 meters. It requires to be locally powered by an optional 24VDC when installed distance above 300 meters.

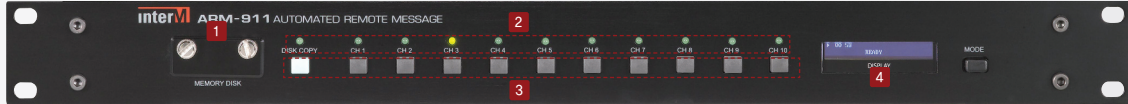


Features

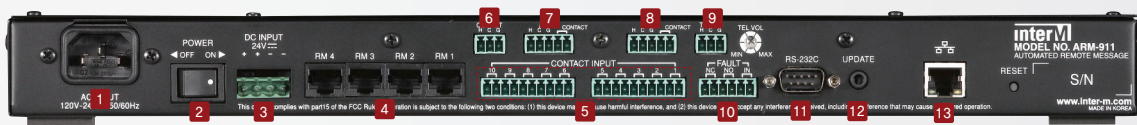
- Easy cat5e wiring (power, audio, communications)
- Broadcast Microphone primary supply
- Microphone Level LED output
- In Use Status display
- 10 message start selections and status
- Up to 4 Remote paging mics can be connected to one ARM-911
- External Power available (24VDC Adapter)

FRONT/REAR PANEL

- ARM-911

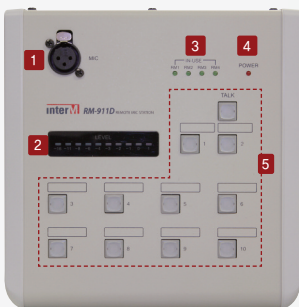


- 1 SD Card Slot with locking security cover
- 2 LED message status indicator
- 3 Message activation button
- 4 LCD System status display



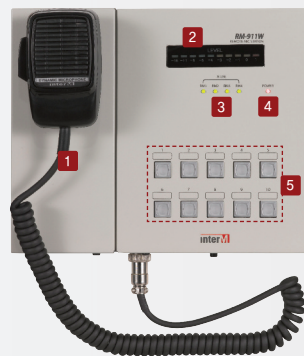
- 1 Power input
- 2 Power Switch
- 3 24V DC Back Up
- 4 4 x RJ 45 Remote Mic input
- 5 Contact closure input trigger
- 6 Audio Out
- 7 Mic/Line in & Contact 2
- 8 Mic/Line in & Contact 1
- 9 Telephone Input & Vol
- 10 Fault
- 11 RS232C Port
- 12 Update Port
- 13 TCP/IP

-RM-911D(Desktop Type)

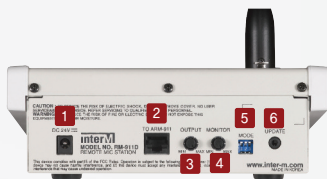


- 1 Gooseneck Mic
- 2 Level Meter
- 3 In Use Status LED
- 4 Power LED
- 5 Message activation button

- RM-911W(Wall-Mount Type)



- 1 Mic
- 2 Level Meter
- 3 In Use Status LED
- 4 Power LED
- 5 Message activation button



- 1 Power
- 2 ARM-911 Connector
- 3 Output Volume
- 4 Monitor Volume
- 5 Option Switch
- 6 Update Port



- 1 Power
- 2 Mic Connector
- 3 ARM-911 Connector
- 4 Output Volume
- 5 Update Port

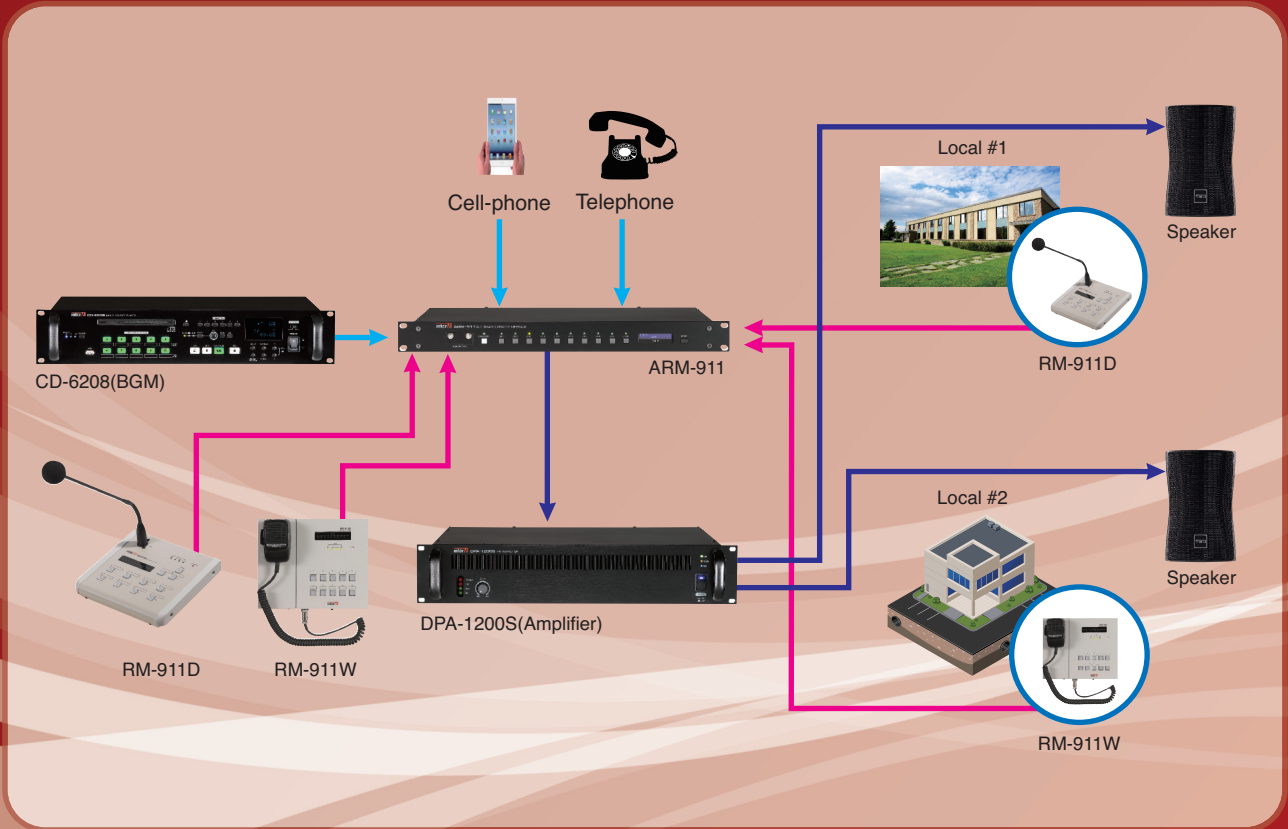
SPECIFICATIONS

			ARM-911	
AUX1/2	CH IN@1kHz	Input Sensitivity	-50dBu Setting	-50dBu /4kΩ ±3dB
			-10dBu Setting	-10dBu /4kΩ ±3dB
			+4dBu Setting	+4dBu /4kΩ ±3dB
		SNR (20kHz LPF, A-WTD)	+10dBu Input	-108dB
			+4dBu Input	-92dB
			-10dBu Input	-87dB
			-50dBu Input	-67dB
		THD (20kHz LPF)	+4dBu Input	0.004%
			-10dBu Input	0.007%
			-50dBu Input	0.06%
Frequency Response (+0.5/-3dB)		20Hz ~ 20kHz		
SD CARD	Play WMA, OdBFS 1kHz File	Input Sensitivity		-10dBu ±3dB
		SNR (20kHz LPF, A-WTD)		-98dB
		THD (20kHz LPF)		0.007 %
		Frequency Response (+0.5/-3dB)		20Hz ~ 20kHz
REMOTE IN	REMOTE IN @1kHz	Input Sensitivity		0dBu/10kΩ ±3dB
		SNR (20kHz LPF, A-WTD)		-65dB
		THD (20kHz LPF)		0.2%
		Frequency Response (+0.5/-3dB)		20Hz ~ 20kHz
TEL IN	TEL IN @1kHz	Input Sensitivity		-10dBuV/10kΩ
		SNR (20kHz LPF, A-WTD)		-87dB
		THD (20kHz LPF)		0.007%
		Frequency Response (+0.5/-3dB)		20Hz ~ 20kHz
NETWORK AUDIO IN	NETWORK AUDIO IN @1kHz	Input Sensitivity		-10dBuV/10kΩ
		SNR (20kHz LPF, A-WTD)		-98dB
		THD (20kHz LPF)		0.01%
		Frequency Response (+0.5/-3dB)		20Hz ~ 20kHz
GENERAL	Power Source		120VAC ~ 240VAC, 50/60Hz / 24VDC	
	Power Consumption		10W	
	Operating Temperature		-10°C ~ +40°C	
	Weight (SET)		3.5kg / 7.7lb	
	Dimensions (SET)		482(W) x 44(H) x 280(D) mm 19(W) x 1.7(H) x 11(D) in	

		RM-911D	RM-911W
Audio Input	MIC	-50dBu (Balanced)	
Frequency Response (100Hz ~ 10kHz)		±3dB	
S/N (20kHz LPF, A-WTD)		Better than 65dB	
T.H.D.		Less than 0.05%	
Serial Interface (RS-422)	Communication Speed	9600 bps	
	Communication Distance	Maximum 300m (using UTP CAT5)	
Operating Temperature		-10°C ~ +40°C	
Power Source		DC 24V, 300mA	
Weight (SET)		1.37kg/3.01lb	1.7kg/3.7lb
Dimensions (SET)		200(W)x67(H)x206(D)mm 7.9(W)x2.6(H)x8.1(D)in	261(W)x188(H)x46(D)mm 10.3(W)x7.4(H)x1.8(D)in

*Specifications and design are subject to change without notice.

APPLICATIONS



Education facilities



Elementary/High School

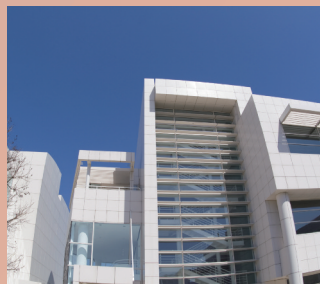


College/University

Commercial facilities



Department Store Shopping Center



Hospital

Public facilities



Government Offices



Station & Terminal

Inter-M Corp. (IMA)



14730 Firestone Blvd Unit 311
La Mirada, CA 90638, USA

Tel_ (714) 523-1870 Fax_ (714) 523-1882 E-mail_ info@inter-m.net

www.inter-m.com

※ Design and specification are subject to be changed without pre notice.

2013. 6